ELSEVIER

Journal of Non-Crystalline Solids 182 (1995) 331–333

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Asal, R., see Gheorghiu, A. 182 (1995) 293

Bakai, A.S., V.V. Kul'ko, I.M. Mikhailovskij, V.B. Rabukhin and O.A. Velikodnaya, Field-emission microscopy of amorphous CoSi alloy 182 (1995) 315
Balkanski, M., see Massot, M. 182 (1995) 49
Barrio, R.A., G.G. Naumis and C. Wang, Bethe lattice studies in glasses 182 (1995) 22
Blackman, J.A., see Hannon, A.C. 182 (1995) 78
Böhmer, R., see Schiener, B. 182 (1995) 180
Boolchand, P., W. Bresser, M. Zhang, Y. Wu, J. Wells and R.N. Enzweiler, Lamb–Mössbauer factors as a local probe of floppy modes in network glasses 182 (1995) 143
Bresser, W., see Boolchand, P. 182 (1995) 143
Brückner, R., see Yue, Y. 182 (1995) 278
Burzyńska-Szyszko, M., see Szymański, K. 182 (1995) 302

Chen, D., J.M. Viner, P.C. Taylor and J. Kanicki, Photoluminescence and electron spin resonance in nitrogen-rich amorphous silicon nitride 182 (1995) 103
Cho, J. and S.W. Martin, Infrared spectroscopy of glasses and polycrystals in the series $xK_2S + (1-x)B_2S_3$ 182 (1995) 248
Chvostová, D., see Pajasová, L. 182 (1995) 286
Cook, M., see Griscom, D.L. 182 (1995) 119

Davis, E.A., see Gheorghiu, A. 182 (1995) 293
del Río, J.A., see Tagüeña-Martínez, J. 182 (1995) 206
den Hartog, H.W., see Verhoef, A.H. 182 (1995) 221
den Hartog, H.W., see Verhoef, A.H. 182 (1995) 235
de Swiet, T.M., see Hürlimann, M.D. 182 (1995) 198
Dobrzyński, L., see Szymański, K. 182 (1995) 302

Ebbsjö, I., see Vashishta, P. 182 (1995) 59
Elliott, R., Evidence for rings in the dynamics of tetrahedral glasses 182 (1995) 1
Elliott, S.R., Extended-range order, interstitial voids and the first sharp diffraction peak of network glasses 182 (1995) 40
Elliott, S.R., Erratum. Use of the modulus formalism in the analysis of ac conductivity data for ionic glasses (J. Non-Cryst. Solids 170 (1994) 97–100) 182 (1995) 328
Enzweiler, R.N., see Boolchand, P. 182 (1995) 143

Frauenheim, Th., G. Jungnickel, Th. Köhler and U. Stephan, Structure and electronic properties of amorphous carbon: from semimetallic to insulating behaviour 182 (1995) 186

Gheorghiu, A., C. Sénémaud, R. Asal and E.A. Davis, Study of the electronic structure of a-$Si_{1-y}Ni_y$:H alloys by XPS and XES 182 (1995) 293
Greaves, G.N., see Ngai, K.L. 182 (1995) 172
Griscom, D.L. and M. Cook, ^{29}Si superhyperfine interactions of the E′ center: a potential probe of range-II order in silica glass 182 (1995) 119

Hannon, A.C., A.C. Wright, J.A. Blackman and R.N. Sinclair, The vibrational modes of vitreous B_2O_3: inelastic neutron scattering and modelling studies 182 (1995) 78
Hines, D., see Solin, S.A. 182 (1995) 212
Hoang, G., see Shao, Y. 182 (1995) 309
Hobbs, L.W., The role of topology and geometry in the irradiation-induced amorphization of network structures 182 (1995) 27
Hosono, H., N. Ueda, H. Kawazoe and N. Matsunami, Optical and electrical properties of proton-implanted amorphous SiO_2, GeO_2–SiO_2, MgO–P_2O_5 and nanocrystalline $MgIn_2O_4$: novel materials by proton implantation 182 (1995) 109
Hürlimann, M.D., T.M. de Swiet and P.N. Sen, Comparison of diffraction and diffusion measurements in porous media 182 (1995) 198

Jastrabík, L., see Pajasová, L. 182 (1995) 286
Jing, Z., see Lucovsky, G. 182 (1995) 90
Jungnickel, G., see Frauenheim, Th. 182 (1995) 186

Kalia, R.K., see Vashishta, P. 182 (1995) 59
Kamiya, K., see Nasu, H. 182 (1995) 321
Kanicki, J., see Chen, D. 182 (1995) 103
Kawazoe, H., see Hosono, H. 182 (1995) 109
Kerner, R., Model of rings in the amorphous SiO_2. *Frank Galeener's legacy* 182 (1995) 9

Köhler, Th., see Frauenheim, Th. 182 (1995) 186
Kul'ko, V.V., see Bakai, A.S. 182 (1995) 315

Lee, D.R., see Lucovsky, G. 182 (1995) 90
Lu, Z., see Lucovsky, G. 182 (1995) 90
Lucovsky, G., Z. Jing, Z. Lu, D.R. Lee and J.L. Whitten, Properties of bonded hydrogen in hydrogenated amorphous silicon and other hydrogenated amorphous silicon alloys 182 (1995) 90
Lugo, J.E., see Tagüeña-Martínez, J. 182 (1995) 206

Machewirth, D.P., see Wei, K. 182 (1995) 257
Martin, S.W., see Cho, J. 182 (1995) 248
Massot, M., S. Souto and M. Balkanski, Short and medium range order in ternary borate glasses 182 (1995) 49
Matsunami, N., see Hosono, H. 182 (1995) 109
Matsuoka, J., see Nasu, H. 182 (1995) 321
Messier, D.R. and P.J. Patel, High modulus glass fibers 182 (1995) 271
Mikhailovskij, I.M., see Bakai, A.S. 182 (1995) 315

Nakano, A., see Vashishta, P. 182 (1995) 59
Nasu, H., O. Sugimoto, J. Matsuoka and K. Kamiya, Non-resonant-type third-order optical non-linearity of alkali silicate and alkali aluminosilicate glasses – contribution of individual chemical species in the glasses to $\chi^{(3)}$ 182 (1995) 321
Naumis, G.G., see Barrio, R.A. 182 (1995) 22
Ngai, K.L., C.M. Roland and G.N. Greaves, An interpretation of quasielastic neutron scattering and molecular dynamics simulation results on the glass transition 182 (1995) 172

Pajasová, L., D. Chvostová, L. Jastrabík and J. Polách, Optical properties of reactively sputtered GeO_2 in the vacuum ultraviolet region 182 (1995) 286
Patel, P.J., see Messier, D.R. 182 (1995) 271
Phillips, J.C., Kohlrausch relaxation and glass transitions in experiment and in molecular dynamics simulations 182 (1995) 155
Pinnavaia, T.J., see Solin, S.A. 182 (1995) 212
Polách, J., see Pajasová, L. 182 (1995) 286

Rabukhin, V.B., see Bakai, A.S. 182 (1995) 315
Rivier, N., Odd rings and tunneling modes in glasses 182 (1995) 162
Roe, R.J., Erratum. Molecular dynamics simulation study of short time dynamics in polymer liquid and glass (J. Non-Cryst. Solids 172–174 (1994) 77–87) 182 (1995) 329
Roland, C.M., see Ngai, K.L. 182 (1995) 172

Satuła, D., see Szymański, K. 182 (1995) 302
Schiener, B. and R. Böhmer, Dielectric relaxation in supercooled 1-propanol 182 (1995) 180
Sen, P.N., see Hürlimann, M.D. 182 (1995) 198
Sénémaud, C., see Gheorghiu, A. 182 (1995) 293
Shao, Y., G. Hoang and T.W. Zerda, Solid–solid phase transitions of cyclohexane in porous sol–gel glass 182 (1995) 309
Sigel Jr., G.H., see Wei, K. 182 (1995) 257
Simmons, J.H., see Swiler, T.P. 182 (1995) 68
Sinclair, R.N., see Hannon, A.C. 182 (1995) 78
Snitzer, E., see Wei, K. 182 (1995) 257
Solin, S.A., D. Hines, S.K. Yun, T.J. Pinnavaia and M.F. Thorpe, Layer rigidity in 2D disordered Ni–Al layer double hydroxides 182 (1995) 212
Souto, S., see Massot, M. 182 (1995) 49
Sridharan, S. and M. Tomozawa, Toughening of glass-ceramics by both transformable and transformed zirconia 182 (1995) 262
Stephan, U., see Frauenheim, Th. 182 (1995) 186
Sugimoto, O., see Nasu, H. 182 (1995) 321
Swiler, T.P., J.H. Simmons and A.C. Wright, Molecular dynamics study of brittle fracture in silica glass and cristobalite 182 (1995) 68
Szymański, K., D. Satuła, L. Dobrzyński, J. Waliszewski and M. Burzyńska-Szyszko, Mössbauer effect on mechanically alloyed Fe–N 182 (1995) 302

Tagüeña-Martínez, J., J.A. del Río and J.E. Lugo, Dynamic effective conductivity of porous silicon 182 (1995) 206
Taylor, P.C., see Chen, D. 182 (1995) 103
Thorpe, M.F., Bulk and surface floppy modes 182 (1995) 135
Thorpe, M.F., see Solin, S.A. 182 (1995) 212
Tomozawa, M., see Sridharan, S. 182 (1995) 262

Ueda, N., see Hosono, H. 182 (1995) 109

Vashishta, P., A. Nakano, R.K. Kalia and I. Ebbsjö, Molecular dynamics simulations of covalent amorphous insulators on parallel computers 182 (1995) 59
Velikodnaya, O.A., see Bakai, A.S. 182 (1995) 315
Verhoef, A.H. and H.W. den Hartog, Infrared spectroscopy of network and cation dynamics in binary and mixed alkali borate glasses 182 (1995) 221
Verhoef, A.H. and H.W. den Hartog, Structure and dynamics of alkali borate glasses: a molecular dynamics study 182 (1995) 235
Viner, J.M., see Chen, D. 182 (1995) 103

Waliszewski, J., see Szymański, K. 182 (1995) 302
Wang, C., see Barrio, R.A. 182 (1995) 22
Wei, K., D.P. Machewirth, J. Wenzel, E. Snitzer and G.H. Sigel Jr., Pr^{3+}-doped Ge–Ga–S glasses for 1.3 μm optical fiber amplifiers 182 (1995) 257

Wells, J., see Boolchand, P. 182 (1995) 143
Wenzel, J., see Wei, K. 182 (1995) 257
Whitten, J.L., see Lucovsky, G. 182 (1995) 90
Wright, A.C., see Hannon, A.C. 182 (1995) 78
Wright, A.C., see Swiler, T.P. 182 (1995) 68
Wu, Y., see Boolchand, P. 182 (1995) 143
Yue, Y. and R. Brückner, Stress generation modulus and brittleness of glass melts 182 (1995) 278
Yun, S.K., see Solin, S.A. 182 (1995) 212
Zerda, T.W., see Shao, Y. 182 (1995) 309
Zhang, M., see Boolchand, P. 182 (1995) 143

ELSEVIER

Journal of Non-Crystalline Solids 182 (1995) 334–336

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Alkali Silicate Glasses
Non-linear Optics, Silicates 182 (1995) 321

Alloys
Electrical Properties 182 (1995) 315

Amorphization
Radiation Effects, Structure, Topology 182 (1995) 27

Borates
Infra-red Absorption, Mixed-Alkali Effect, Molecular Dynamics, Raman Spectra 182 (1995) 235
Infra-red Absorption, Mixed-Alkali Effect 182 (1995) 221
Medium-Range Order, Short-Range Order 182 (1995) 49
Modelling, Neutron Inelastic Scattering 182 (1995) 78

Carbon
Electric Properties 182 (1995) 186

Chalcogenide Glasses
Fluorescence Spectra, Optical Properties, Rare Earth Ions 182 (1995) 257
Infra-red Absorption, Structure 182 (1995) 248
Mode Coupling, Mössbauer Effect 182 (1995) 143

Conductivity
Dynamical Properties, Silicon 182 (1995) 206

Defects
Electric Properties, Hydrogen Effects, Ion Implantation 182 (1995) 109
Electron Spin Resonance, Medium-Range Order 182 (1995) 119

Densification
Nuclear Magnetic Resonance, Phase Transition 182 (1995) 198

Dynamical Properties
Conductivity, Silicon 182 (1995) 206
Infra-red Absorption, Raman Spectra, Structure 182 (1995) 1

Electric Properties
Carbon 182 (1995) 186
Defects, Hydrogen Effects, Ion Implantation 182 (1995) 109

Electrical Properties
Alloys 182 (1995) 315

Electrical Properties and Relaxation
Thermal Properties 182 (1995) 180

Electron Spin Resonance
Defects, Medium-Range Order 182 (1995) 119
Luminescence, Silicon Nitride 182 (1995) 103

Fibers
Mechanical Properties 182 (1995) 271

Fluorescence Spectra
Chalcogenide Glasses, Optical Properties, Rare Earth Ions 182 (1995) 257

Fracture
Molecular Dynamics, Silicon Dioxide 182 (1995) 68

Germania
Modelling, Optical Properties 182 (1995) 286

Glass Ceramics
Mechanical Properties, Zirconia 182 (1995) 262

Glass Transition
Molecular Dynamics, Neutron Diffraction, Relaxation 182 (1995) 172
Molecular Dynamics, Relaxation 182 (1995) 155

Glasses Containing Transition Metal Ions
Mechanical Amorphization, Mössbauer Effect, Nitridation 182 (1995) 302
Silicon Alloys, XPS, X-ray Emission 182 (1995) 293

Growth Kinetics
Modelling, Topology 182 (1995) 9

Hydrogen Effects
Defects, Electric Properties, Ion Implantation 182 (1995) 109

Hydrogen in Glass
Hydrogenation, Silicon, Silicon Alloys 182 (1995) 90
Mechanical Properties, X-ray Diffraction 182 (1995) 212

Hydrogenation
Hydrogen in Glass, Silicon, Silicon Alloys 182 (1995) 90

Infra-red Absorption
Borates, Mixed-Alkali Effect, Molecular Dynamics, Raman Spectra 182 (1995) 235
Borates, Mixed-Alkali Effect 182 (1995) 221
Chalcogenide Glasses, Structure 182 (1995) 248
Dynamical Properties, Raman Spectra, Structure 182 (1995) 1

Ion Implantation
Defects, Electric Properties, Hydrogen Effects 182 (1995) 109

Liquid Semiconductors
Mechanical Properties, Melting, Stress Relaxation 182 (1995) 278

Luminescence
Electron Spin Resonance, Silicon Nitride 182 (1995) 103

Mechanical Amorphization
Glasses Containing Transition Metal Ions, Mössbauer Effect, Nitridation 182 (1995) 302

Mechanical Properties
Fibers 182 (1995) 271
Glass Ceramics, Zirconia 182 (1995) 262
Hydrogen in Glass, X-ray Diffraction 182 (1995) 212
Liquid Semiconductors, Melting, Stress Relaxation 182 (1995) 278

Medium-Range Order
Borates, Short-Range Order 182 (1995) 49
Defects, Electron Spin Resonance 182 (1995) 119

Melting
Liquid Semiconductors, Mechanical Properties, Stress Relaxation 182 (1995) 278

Mixed-Alkali Effect
Borates, Infra-red Absorption, Molecular Dynamics, Raman Spectra 182 (1995) 235
Borates, Infra-red Absorption 182 (1995) 221

Mode Coupling
Chalcogenide Glasses, Mössbauer Effect 182 (1995) 143
Modelling, Structure 182 (1995) 135

Modelling
Borates, Neutron Inelastic Scattering 182 (1995) 78
Germania, Optical Properties 182 (1995) 286
Growth Kinetics, Topology 182 (1995) 9
Mode Coupling, Structure 182 (1995) 135
Molecular Dynamics 182 (1995) 59
Neutron Diffraction, Porosity 182 (1995) 40
Structure 182 (1995) 22

Molecular Dynamics
Borates, Infra-red Absorption, Mixed-Alkali Effect, Raman Spectra 182 (1995) 235
Fracture, Silicon Dioxide 182 (1995) 68
Glass Transition, Neutron Diffraction, Relaxation 182 (1995) 172
Glass Transition, Relaxation 182 (1995) 155
Modelling 182 (1995) 59

Mössbauer Effect
Chalcogenide Glasses, Mode Coupling 182 (1995) 143
Glasses Containing Transition Metal Ions, Mechanical Amorphization, Nitridation 182 (1995) 302

Neutron Diffraction
Glass Transition, Molecular Dynamics, Relaxation 182 (1995) 172
Modelling, Porosity 182 (1995) 40

Neutron Inelastic Scattering
Borates, Modelling 182 (1995) 78

Nitridation
Glasses Containing Transition Metal Ions, Mechanical Amorphization, Mössbauer Effect 182 (1995) 302

Non-linear Optics
Alkali Silicate Glasses, Silicates 182 (1995) 321

Nuclear Magnetic Resonance
Densification, Phase Transition 182 (1995) 198

Optical Properties
Chalcogenide Glasses, Fluorescence Spectra, Rare Earth Ions 182 (1995) 257
Germania, Modelling 182 (1995) 286

Phase Separation
Porosity, Sol–Gel Processes 182 (1995) 309

Phase Transition
Densification, Nuclear Magnetic Resonance 182 (1995) 198

Porosity
Modelling, Neutron Diffraction 182 (1995) 40
Phase Separation, Sol–Gel Processes 182 (1995) 309

Radiation Effects
Amorphization, Structure, Topology 182 (1995) 27

Raman Spectra
Borates, Infra-red Absorption, Mixed-Alkali Effect, Molecular Dynamics 182 (1995) 235
Dynamical Properties, Infra-red Absorption, Structure 182 (1995) 1

Rare Earth Ions
Chalcogenide Glasses, Fluorescence Spectra, Optical Properties 182 (1995) 257

Relaxation
Glass Transition, Molecular Dynamics, Neutron Diffraction 182 (1995) 172
Glass Transition, Molecular Dynamics 182 (1995) 155

Short-Range Order
Borates, Medium-Range Order 182 (1995) 49

Silicates
Alkali Silicate Glasses, Non-linear Optics 182 (1995) 321

Silicon
Conductivity, Dynamical Properties 182 (1995) 206
Hydrogen in Glass, Hydrogenation, Silicon Alloys 182 (1995) 90

Silicon Alloys
Glasses Containing Transition Metal Ions, XPS, X-ray Emission 182 (1995) 293
Hydrogen in Glass, Hydrogenation, Silicon 182 (1995) 90

Silicon Dioxide
Fracture, Molecular Dynamics 182 (1995) 68

Silicon Nitride
Electron Spin Resonance, Luminescence 182 (1995) 103

Sol–Gel Processes
Phase Separation, Porosity 182 (1995) 309

Stress Relaxation
Liquid Semiconductors, Mechanical Properties, Melting 182 (1995) 278

Structure
Amorphization, Radiation Effects, Topology 182 (1995) 27
Chalcogenide Glasses, Infra-red Absorption 182 (1995) 248
Dynamical Properties, Infra-red Absorption, Raman Spectra 182 (1995) 1
Mode Coupling, Modelling 182 (1995) 135
Modelling 182 (1995) 22

Theory
Tunneling 182 (1995) 162

Thermal Properties
Electrical Properties and Relaxation 182 (1995) 180

Topology
Amorphization, Radiation Effects, Structure 182 (1995) 27
Growth Kinetics, Modelling 182 (1995) 9

Tunneling
Theory 182 (1995) 162

XPS
Glasses Containing Transition Metal Ions, Silicon Alloys, X-ray Emission 182 (1995) 293

X-ray Diffraction
Hydrogen in Glass, Mechanical Properties 182 (1995) 212

X-ray Emission
Glasses Containing Transition Metal Ions, Silicon Alloys, XPS 182 (1995) 293

Zirconia
Glass Ceramics, Mechanical Properties 182 (1995) 262